

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
31 December 2003 (31.12.2003)

PCT

(10) International Publication Number
WO 2004/000240 A1

(51) International Patent Classification: **A61K 6/06**,
C04B 28/06

Luthagesesplanaden 26B, S-752 24 Uppsala (SE). EN-
GQVIST, Håkan [SE/SE]; Margaretavägen 12, S-741 44
Knivsta (SE).

(21) International Application Number:
PCT/SE2003/000955

(74) Agents: KYLIN, Peter et al.; Hynell Patenttjänst AB, Pa-
tron Carls väg 2, S-683 40 Hagfors/Uddeholm (SE).

(22) International Filing Date: 11 June 2003 (11.06.2003)

(81) Designated States (*national*): AE, AG, AL, AM, AT (uti-
lity model), AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA,
CH, CN, CO, CR, CU, CZ (utility model), CZ, DE (uti-
lity model), DE, DK (utility model), DK, DM, DZ, EC, EE
(utility model), EE, ES, FI (utility model), FI, GB, GD, GE,
GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ,
LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN,
MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU,
SC, SD, SE, SG, SK (utility model), SK, SL, TJ, TM, TN,
TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(25) Filing Language: Swedish

(26) Publication Language: English

(30) Priority Data:
0201918-0 20 June 2002 (20.06.2002) SE
0202696-1 10 September 2002 (10.09.2002) SE

(71) Applicant (*for all designated States except US*): DOXA
AKTIEBOLAG [SE/SE]; Axel Johanssons Gata 4-6,
Kristallen, S-754 51 Uppsala (SE).

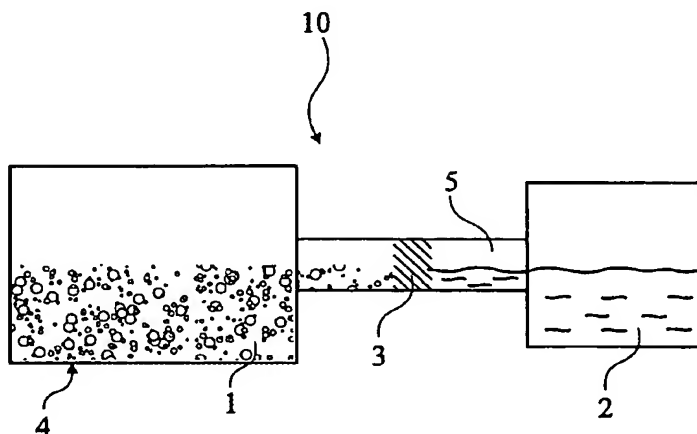
(84) Designated States (*regional*): ARIPO patent (GH, GM,
KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),
Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE,
ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO,
SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM,
GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(72) Inventors; and

(75) Inventors/Applicants (*for US only*): HERMANSSON,
Lelf [SE/SE]; Stenbrohultsvägen 20, 3tr, S-757 58 Uppsala
(SE). AHNFELT, Nils-Otto [SE/SE]; Nordhemsvägen
5A, S-756 46 Uppsala (SE). LÖÖF, Jesper [SE/SE];

[Continued on next page]

(54) Title: A SYSTEM FOR A CHEMICALLY BONDED CERAMIC MATERIAL, A POWDERED MATERIAL AND A HY-
DRATION LIQUID THEREFORE, THE CERAMIC MATERIAL, A METHOD FOR ITS PRODUCTION AND A DEVICE



(57) Abstract: A system for a chemically bonded ceramic material, comprising an aqueous hydration liquid and a powdered material; the binder phase of which essentially consisting of a cement system, which powdered material has the capacity following saturation with the hydration liquid reacting with the binder phase to hydrate to a chemically bonded ceramic material. According to the invention, the powdered material comprises a first part component for the formation of an organic phase in the ceramic material and the hydration liquid comprises a second part component for the formation of said organic phase. The invention also relates to the powdered material and the hydration liquid, respectively, the formed ceramic material, a method for the production of the material and a device for storing the powdered material and mixing it with the hydration liquid.

WO 2004/000240 A1